

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of
The original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG. 1

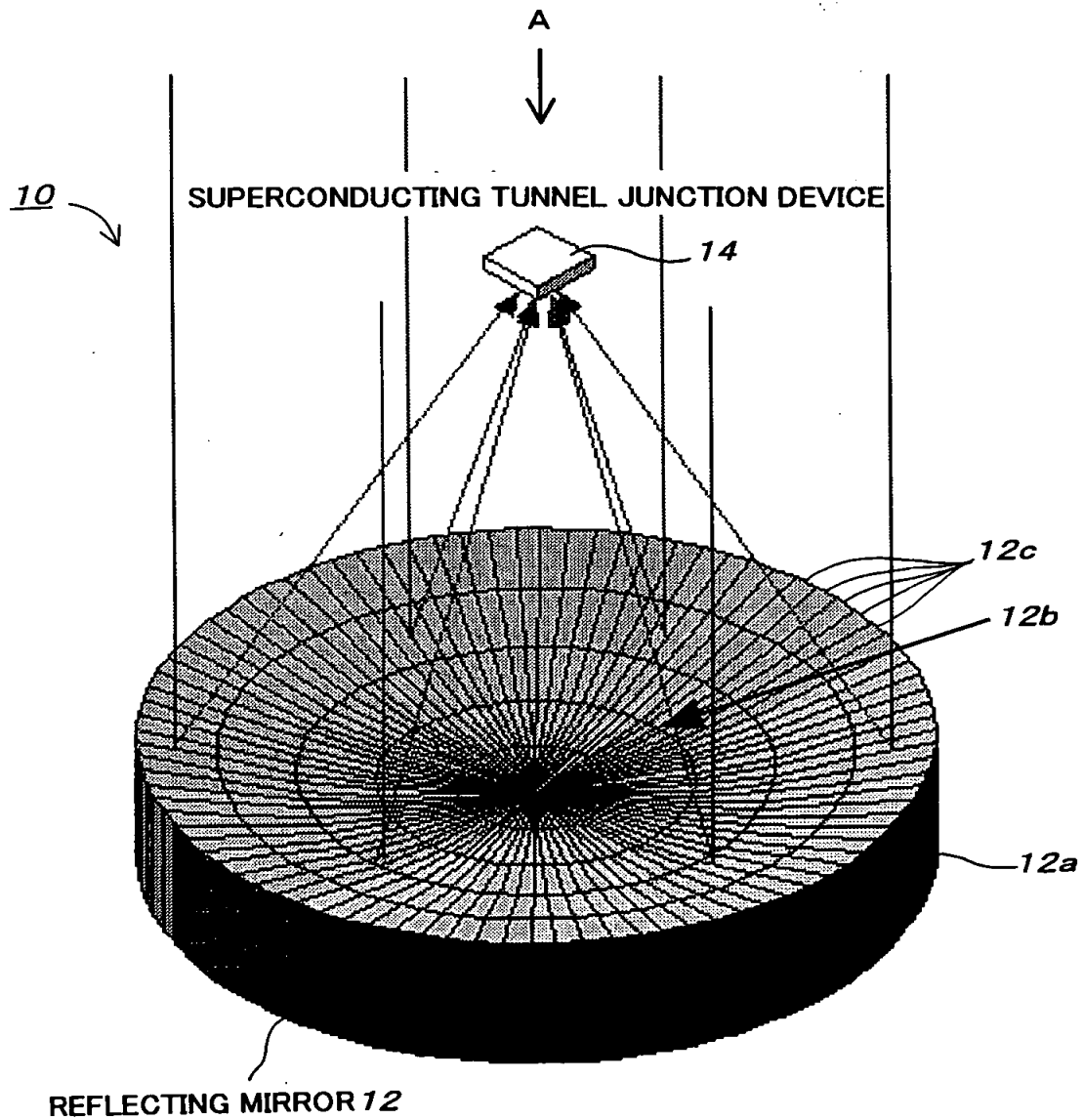


FIG. 2

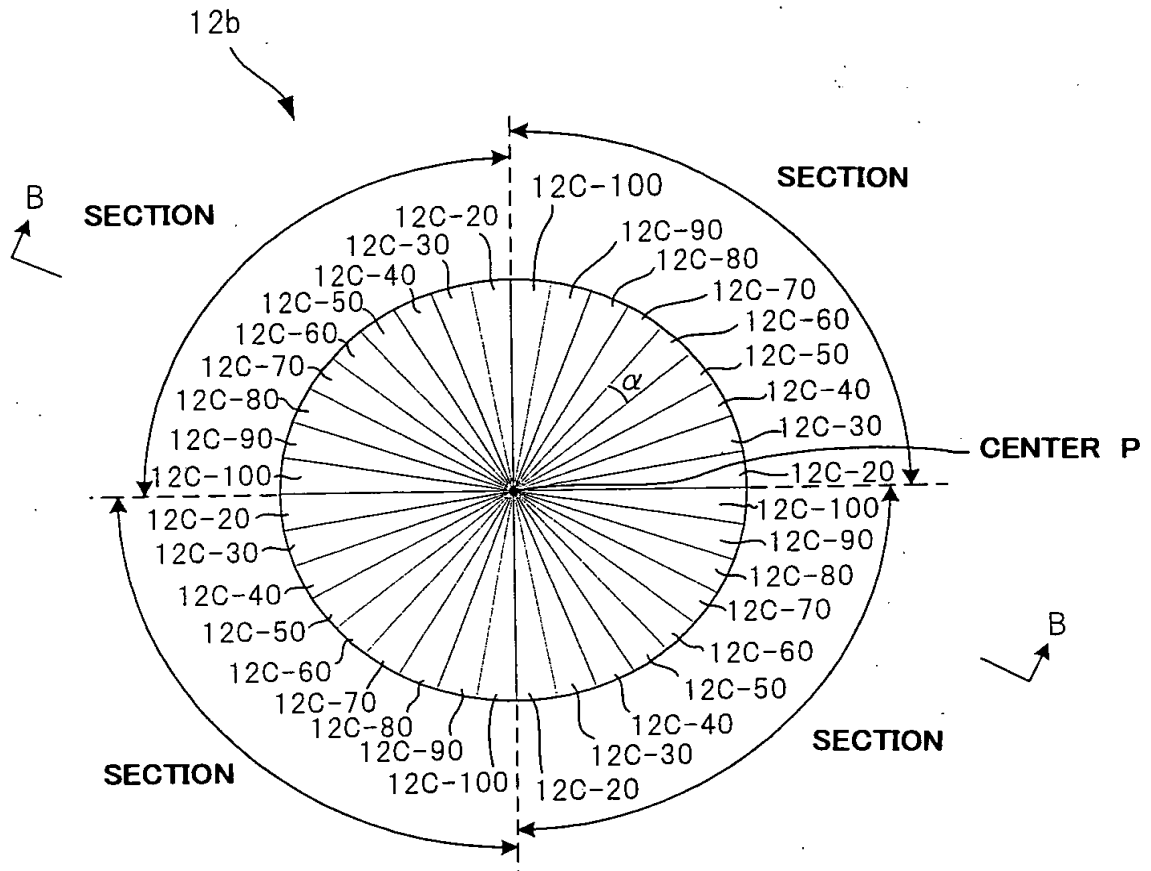


FIG. 3

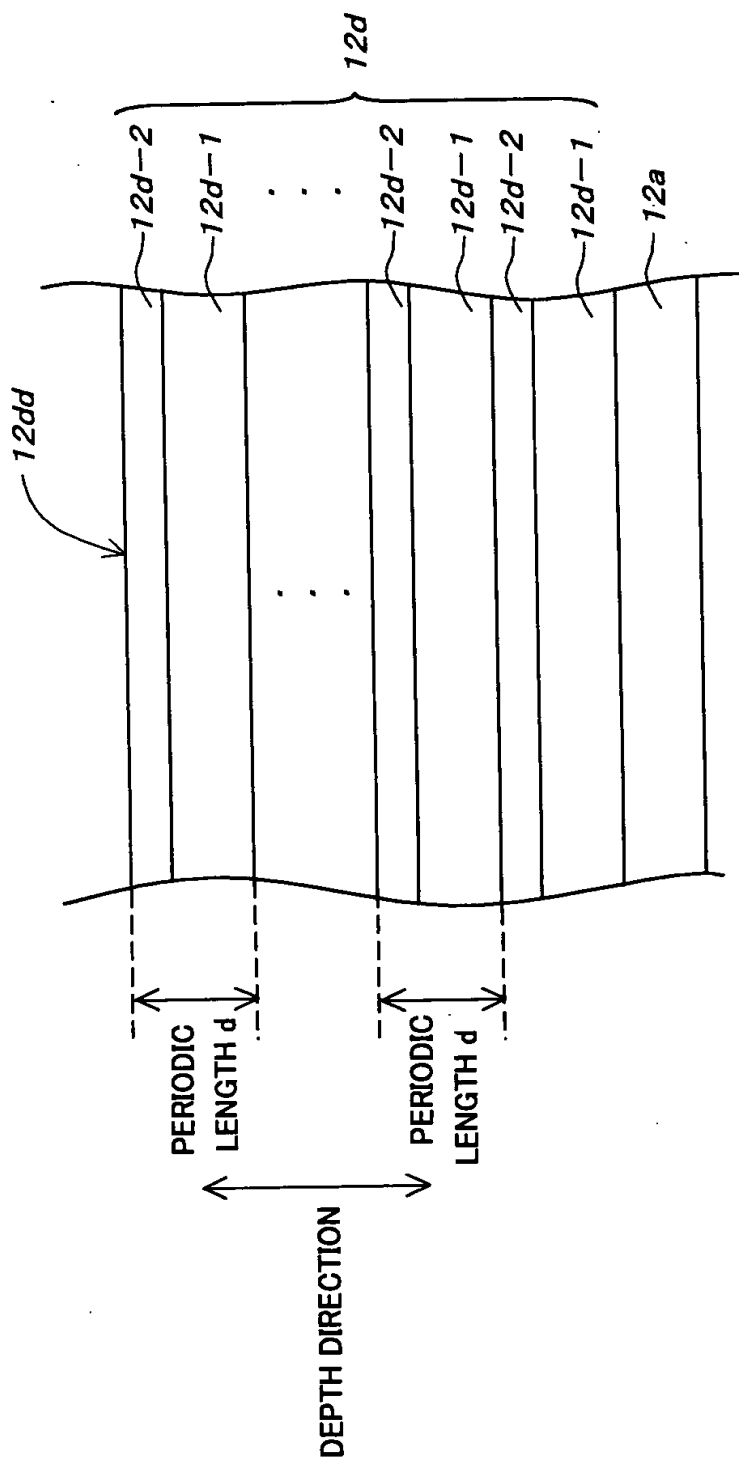


FIG. 4(a)

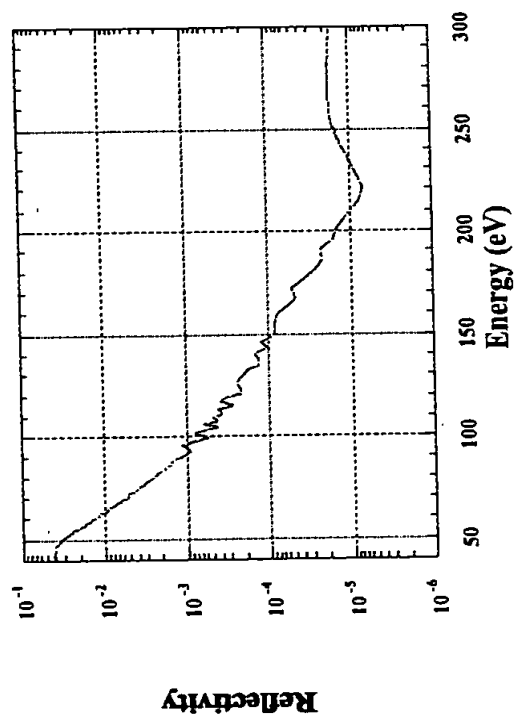


FIG. 4(b)

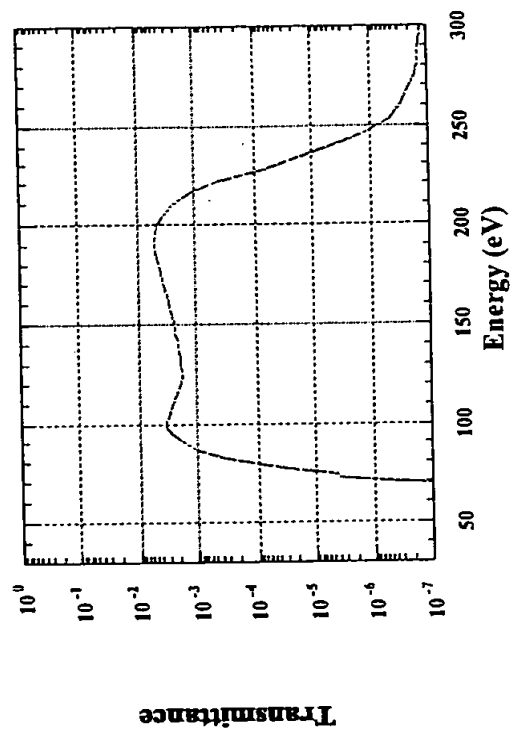


FIG. 5

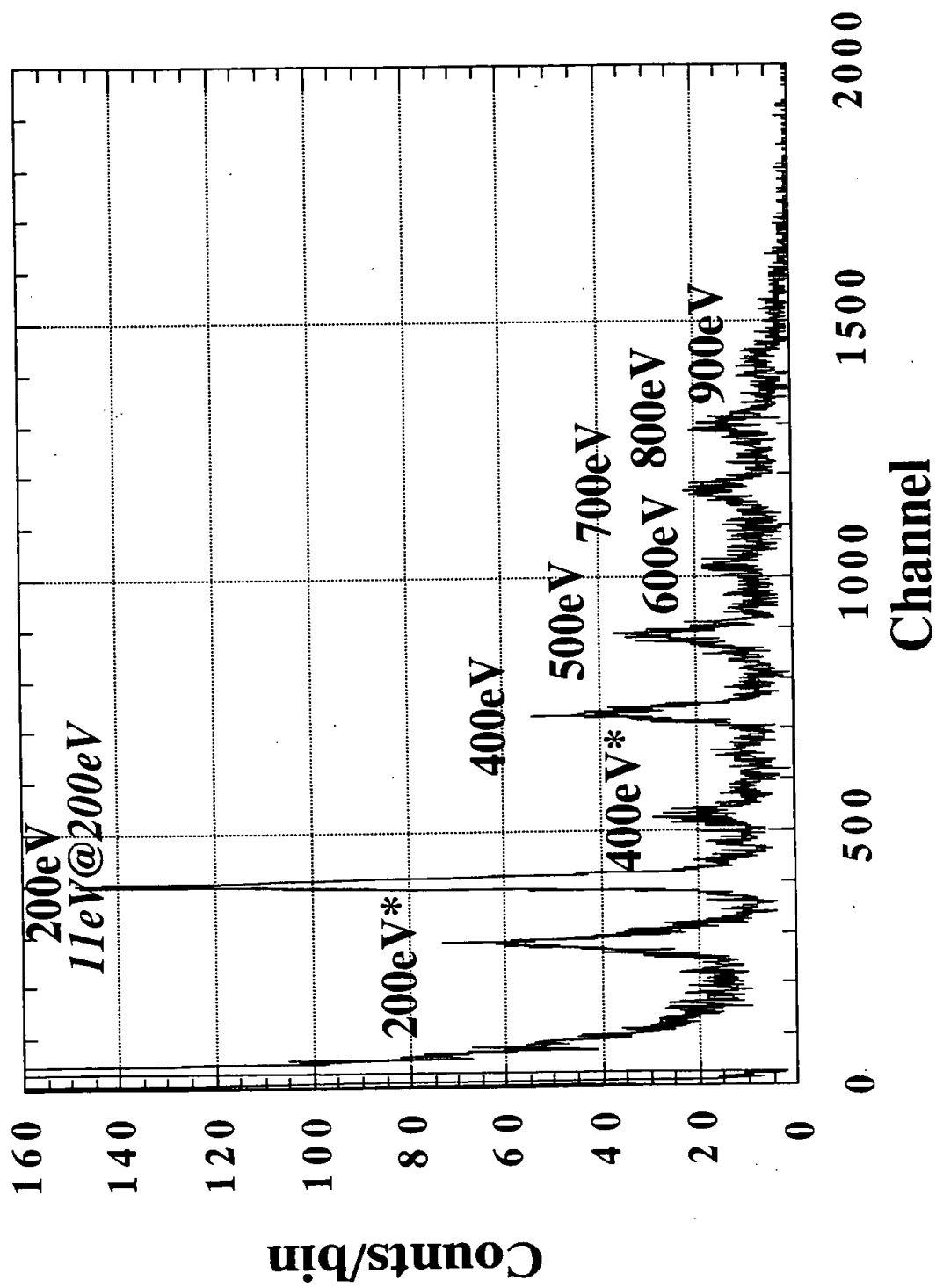
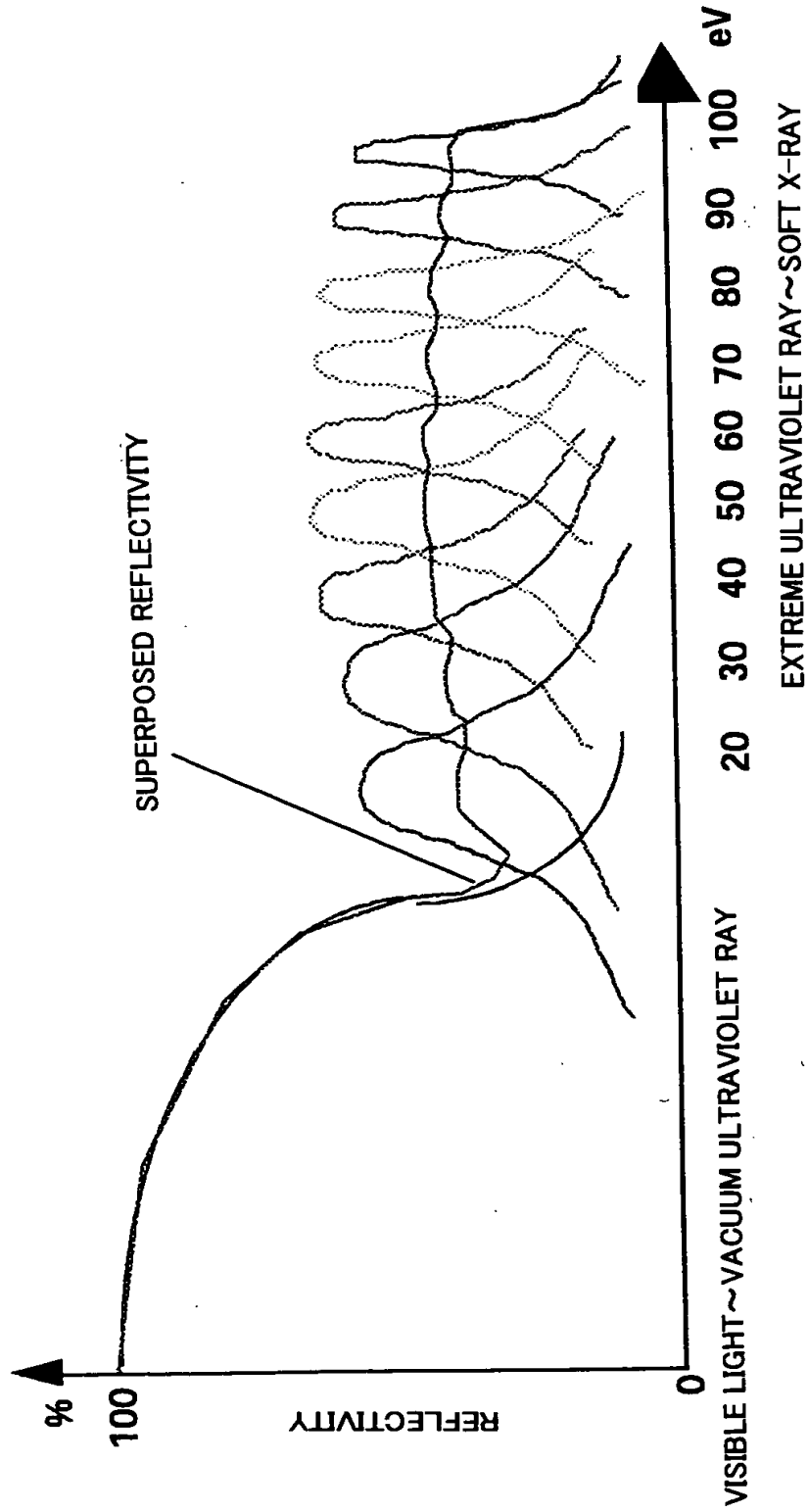


FIG. 6



SYNTHESIZED REFLECTIVITY CHARACTERISTICS OF MULTILAYER FILM REFLECTING MIRROR

FIG. 7(a)

FIG. 7(b)

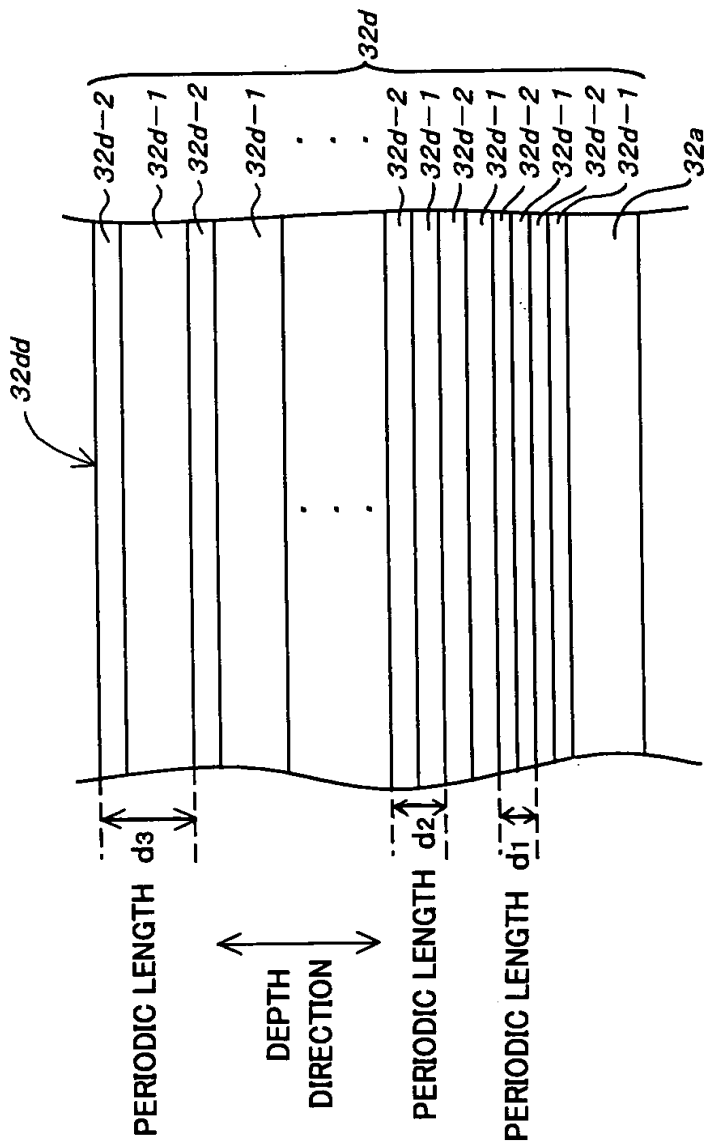
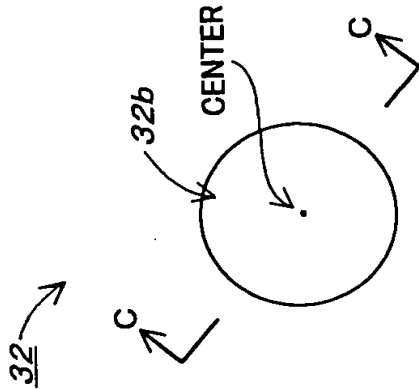


FIG. 8

NUMBER	MATERIAL1	MATERIAL2	VALUE d	VALUE γ	NUMBER OF PAIR LAYER	THEORETICAL CALCULATION1	THEORETICAL CALCULATION2
1	Mo	Mg2Si	170	50	20	O	O
2	Mo	Mg2Si	190	50	20	O	O
3	Mo	Mg2Si	210	40	20	O	O
4	Mo	Si	115	50	20	O	O
5	Mo	Si	140	50	20	O	O
6	Mo	Si	55	50	20	O	O
7	Mo	Si	60	50	20	O	O
8	Mo	Si	65	50	20	O	O
9	Mo	Si	65	70	20	O	O
10	Mo	Si	70	70	20	O	O
11	Mo	Si	75	70	20	O	O
12	Mo	Si	80	50	20	O	O
13	Ni	C	22	40	200	O	x
14	Ni	C	25	40	200	O	x
15	Ni	C	30	40	200	O	x
16	Ni	C	40	30	30	O	x
17	Ni	C	45	30	30	O	x
18	Ni	C	50	30	30	O	x
19	Ni	C	55	30	30	O	x
20	Ni	C	60	30	30	O	x
21	Mo	Si	85	50	20	O	O
22	Mo	Si	90	50	20	O	O
23	Mo	Si	95	50	20	O	O

10029076-122801

FIG. 9

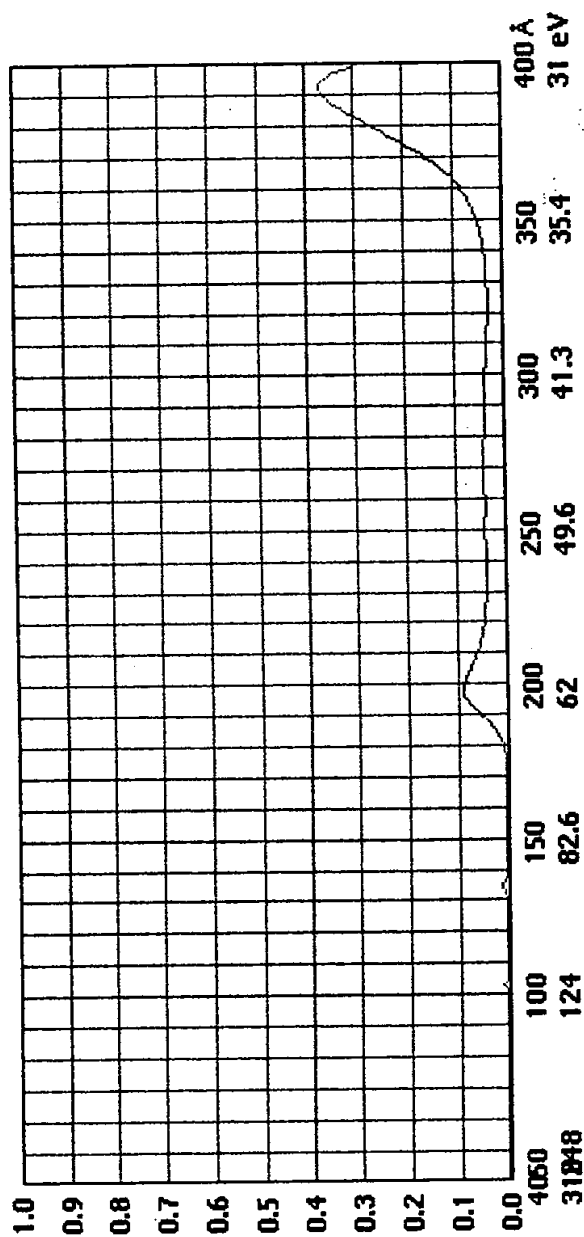


FIG. 10

COMPARISON OF SYNTHESIZED REFLECTIVITY IN
MULTILAYER FILM WITH REFLECTIVITY IN Pt MONOLAYER FILM

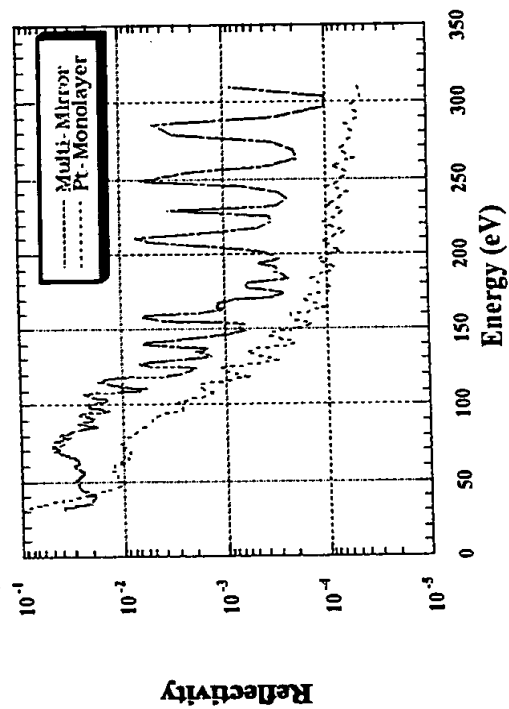


FIG. 11

COMPARISON OF SYNTHESIZED REFLECTIVITY WITH REFLECTIVITY
IN Pt MONOLAYER IN CASE OF IGNORING 125 eV OR HIGHER

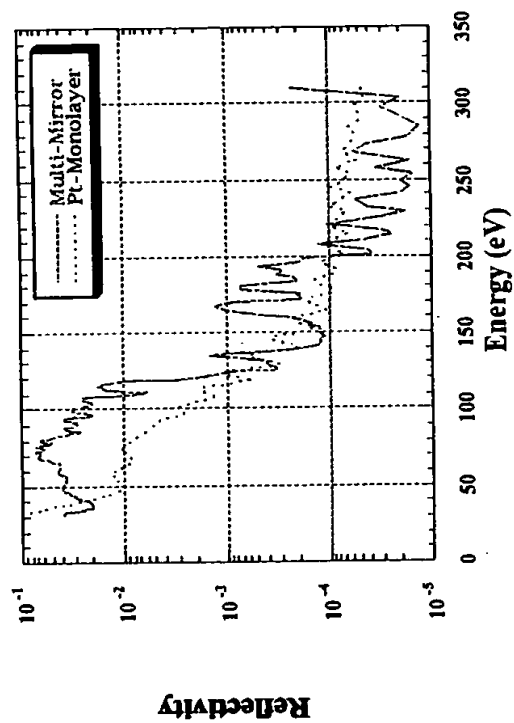
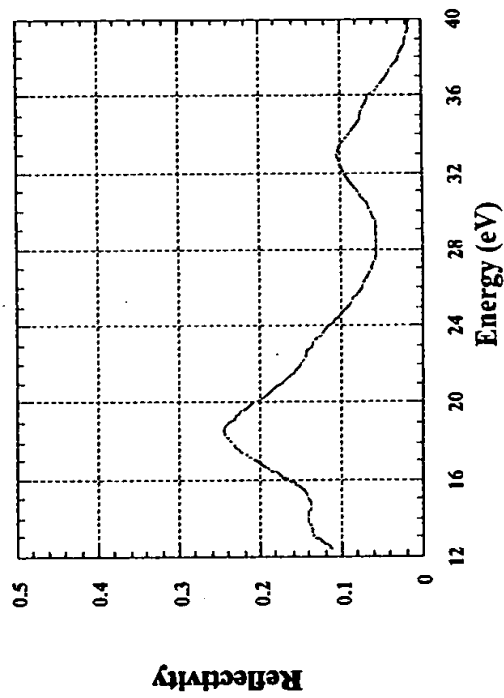


FIG. 12

MULTILAYER FILM Mo/Mg2Si VALUE d 200
VALUE G 30 100PAIR LAYER



TOP SECRET 92062001

FIG. 13

NUMBER	MATERIAL1	MATERIAL2	INITIATION VALUE d	TERMINATION VALUE d	VALUE γ	NUMBER OF PAIR LAYER
1	Mo	Si	170	50	30	20
2	Mo	Si	190	50	50	20
3	Mo	Si	210	50	35	20
4	Mo	Si	115	50	25	20
5	Mo	Si	140	50	20	100

{

FOOT 920000

FIG. 14

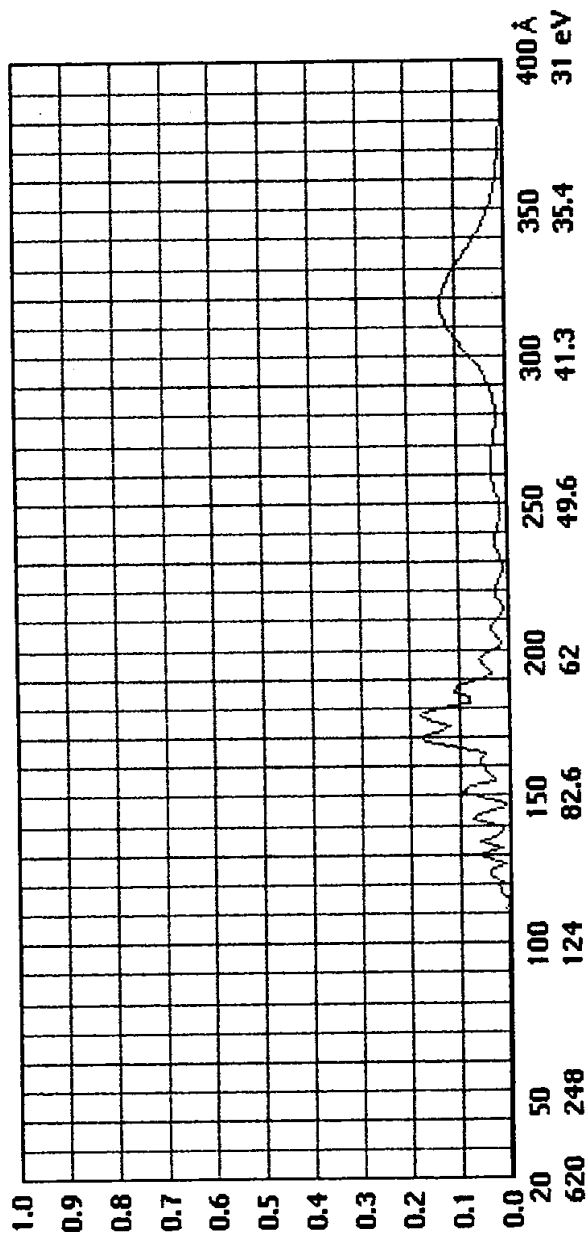


FIG. 15

COMPARISON OF SYNTHESIZED REFLECTIVITY IN
SUPERMIRROR WITH REFLECTIVITY IN Pt MONOLAYER FILM

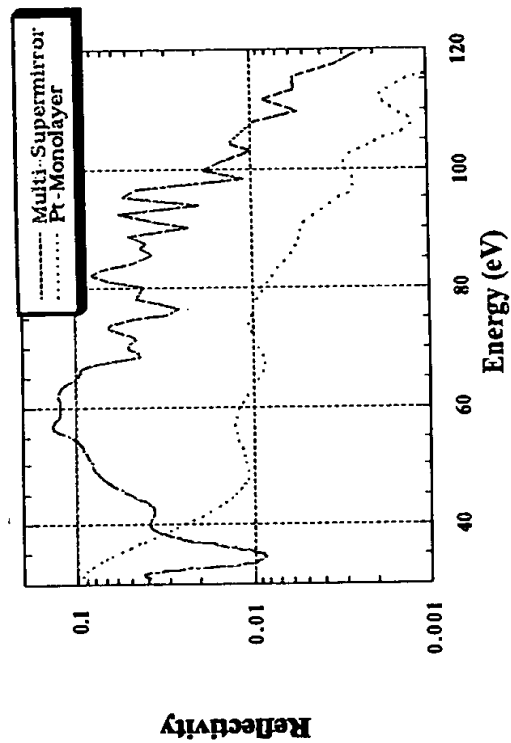


FIG. 16(b)

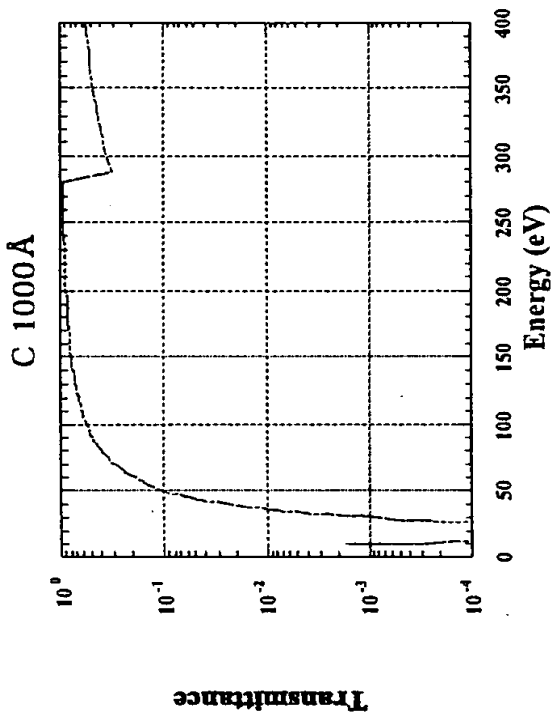


FIG. 17(a) FIG. 17(b)

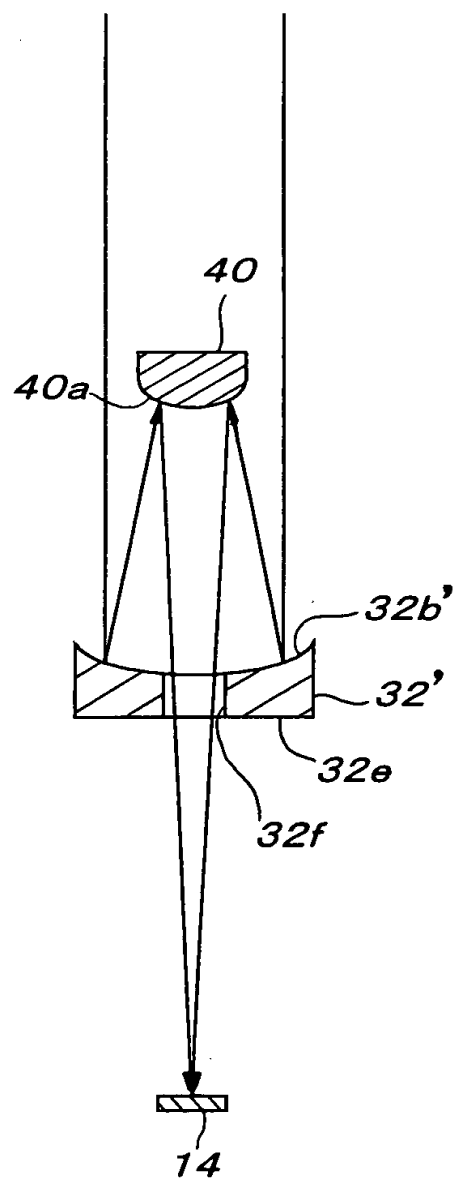
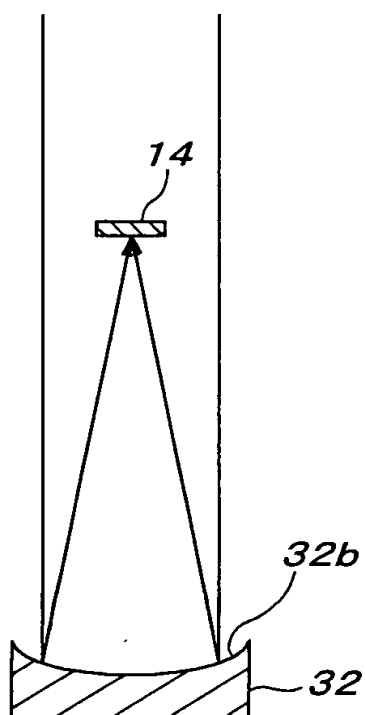


FIG. 18

